

PTO/SB/08a (08-03)

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Sheet 1 of 3

<p style="text-align: center;">SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<i>Complete if Known</i>	
<p style="text-align: center;">Substitute for form 1449A/PTO</p>				Application Number	10/759,033
				Filing Date	January 20, 2004
				First Named Inventor	Yair REISNER et al
				Art Unit	1651
				Examiner Name	LANKFORD JR, LEON B
Sheet	1	of	3	Attorney Docket Number	27132

U.S. PATENT DOCUMENTS

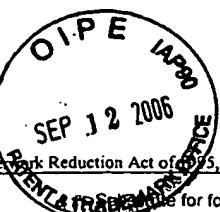
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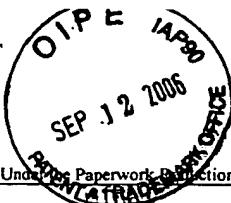
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TRADE NAME FOR FORM 1449A/PTO				Complete if Known	
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Sheet	2	of	3	Attorney Docket Number	27132
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
TK	1	Abrahamson et al. "Glomerular Development in Intraocular and Intrarenal Grafts of Fetal Kidneys", Laboratory Investigation, 64(5): 629-639, 1991.			
	2	Barakat et al. "The Capacity of Fetal and Neonatal Renal Tissues to Regenerate and Differentiate in A Heterotopic Allogeneic Subcutaneous Tissue Site in the Rat", Journal of Anatomy, 110(3): 393-407, 1971.			
	3	Barry "Renal Transplantation", Current Opinion in Urology, 10(4): 121-127, 1999.			
	4	Björklund et al. "Embryonic Stem Cells Develop Into Functional Dopaminergic Neurons After Transplantation in A Parkinson Rat Model", Proc. Natl. Acad. Sci. USA (PNAS), 99(4): 2344-2349, 2002.			
	5	Brandhagen "Liver Transplantation for Hereditary Hemochromatosis", Liver Transplantation, 7(8): 663-672, 2001.			
	6	Cecka "Kidney Transplantation From Living Unrelated Donors", Annual Review of Medicine, 51:393-406, 2000.			
	7	Curtis "End-Stage Renal Disease Patients: Referral for Transplantation", Journal of the American Society of Nephrology, 9: S137-S140, 1998.			
	8	Freed "Will Embryonic Stem Cells Be A Useful Source of Dopamine Neurons for Transplant Into Patients With Parkinson's Disease? Proc. Natl. Acad. Sci. USA (PNAS), 99(4): 1755-1757, 2002.			
	9	French et al. "Progress in Renal Transplantation", The Canadian Journal of Urology, 7(3): 1030-1037, 2000.			
	10	Frilling et al. "Current Status of Liver Transplantation for Treatment of Hepatocellular Carcinoma", Digestive Diseases, 19: 333-337, 2001.			
	11	Hammerman "Transplantation of Embryonic Kidneys", Clinical Science, 103: 599-612, 2002.			
	12	Hammerman "Transplantation of Embryonic Organs - Kidney and Pancreas", American Journal of Transplantation, 4(Suppl.6): 14-24, 2004.			
	13	Ishizaka et al. "Development of Hepatocytes From ES Cells After Transfection With the HNF-3 β Gene", The FASEB Journal, 16: 1444-1446, 2002.			
	14	Jones et al. "Hepatic Differentiation of Murine Embryonic Stem Cells", Experimental Cell Research, 272: 15-22, 2002.			
	15	Kanai et al. "Delayed Hyperacute Xenograft Rejection in Porcine to Canine Fetal Liver Transplantation", Transplant Immunology, 7: 95-99, 1999.			
	16	Keeffe "Liver Transplantation at the Millenium - Past, Present, and Future", Hepatology: A Century of Progress, P.242-255, 2000.			
	17	Keeffe "Liver Transplantation: Current Status and Novel Approaches to Liver Replacement", Gastroenterology, 120: 749-762, 2001.			
	18	Kokudo et al. "Allogeneic Hepatocyte and Fetal Liver Transplantation and Xenogeneic Hepatocyte Transplantation for Nagase's Analbuminemic Rats", Cell Transplantation, 5(5S-1): S21-S22, 1996.			
	19	Reubinoff et al. "Embryonic Stem Cell Lines From Human Blastocysts: Somatic Differentiation In Vitro", Nature Biotechnology, 18: 399-404, 2000.			

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TK	20	Robert et al. "Evidence That Embryonic Kidney Cells Expressing Flk-1 Are Intrinsic, Vasculogenic Angioblasts", The American Journal of Physiology, 271 (Renal Fluid Electrolyte Physiology 40): F744-F753, 1996.			
	21	Rogers et al. "Transplantation of Pig Metanephroi", ASAIO Journal, 49: 48-52, 2003.			
	22	Seaman "Adult Living Donor Liver Transplantation: Current Status", Journal of Clinical Gastroenterology, 33(2): 97-106, 2001.			
	23	Takebe et al. "Xenogeneic (Pig to Rat) Fetal Liver Fragment Transplantation Using Macrocapsules for Immunoisolation", Cell Transplantation, 5(5S-1): S31-S33, 1996.			
	24	Thomson et al. "Embryonic Stem Cell Lines Derived From Human Balstocysts", Science, 282: 1145-1147, 1998.			
	25	Van Thiel et al. "Liver Transplantation for Fulminant Hepatic Failure", Journal of Gastroenterology, 36: 1-4, 2001.			
	26	Xie et al. "Expression, Roles, Receptors, and Regulation of Osteopontin in the Kidney", Kidney International, 60: 1645-1657, 2001.			
↓	27	Ramanathan et al. "Renal Transplantation", Seminars in Nephrology, 21(2): 213-219, 2001.			

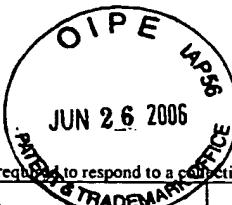
Signature	/Taeyoon Kim/	Considered	11/20/2006
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Application Number	10/759,033
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First Named Inventor	Yair REISNER et al
Art Unit	1651
Examiner Name	unknown

Sheet 1 of 7 Attorney Docket Number 27132

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TK	1	US-5,175,004	12-29-1992	Matsumura	
	2	US-5,580,558	03-3-1996	Kitamura	
	3	US-5,942,435	08-24-1999	Wheeler	
	4	US-6,060,049	09-9-2000	Beschornner	
	5	US-6,140,116	10-31-2000	Dinsmore	
	6	US-2003/0096016	05-22-2003	Reisner et al.	
	7	US-2004/0136972	07-15-2004	Reisner et al.	
	8	US-2005/0226854	10-13-2005	Reisner et al.	
	9	US-6,183,734	06-6-2001	Chen et al.	
	10	US-6,024,957	02-15-2000	Lazarovits et al.	
	11	US-5,635,365	03-3-1997	Ansari et al.	
	12	US-6,194,147	02-27-2001	Baxter-Lowe et al.	
	13	US-2004/0082064	04-29-2004	Reisner et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	14	PCT WO 03/022123	03-20-2003	Reisner et al.		
	15	PCT WO 2004/078022	09-16-2004	Reisner et al.		
	16	EP 0853942	07-22-1998	Hammerman		
	17	PCT WO 00/41713	07-20-2000	Hammerman et al.		
	18	PCT WO 2004/016276	02-26-2004	Bottomley et al.		

Examiner Signature	Date Considered
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	20	Hammerman "Transplantation of Renal Precursor Cells: A New Therapeutic Approach", Pediatr. Nephrol., 14: 513-517, 2000.			
	21	Hammerman "Xenotransplantation of Renal Primordia", Current Opinion in Nephrology and Hypertension, 11: 11-16, 2002.			
	22	Hanto "Classification of Epstein-Barr Virus-Associated Posttransplant Lymphoproliferative Diseases: Implications for Understanding Their Pathogenesis and Developing Rational Treatment Strategies", Annu. Rev. Med., 46: 381-394, 1995.			
	23	Higgins et al. "Prevention of Hyperacute Rejection by Removal of Antibodies to HLA Immediately Before Renal Transplantation", The Lancet, 348: 1208-1211, 1996.			
	24	Hyink et al. "Endogenous Origin of Glomerular Endothelial and Mesangial Cells in Grafts of Embryonic Kidneys", Am. J. Physiol., 270(Renal Fluid Electrolyte Physiol.39): F886-F899, 1996.			
	25	Itskovitz-Eldor et al. "Differentiation of Human Embryonic Stem Cells Into Embryonic Bodies Comprising the Three Embryonic Germ Layers", Molecular Medicine, 6(2): 88-95, 2000.			
	26	Kaminski et al. "Practical Approaches to Analyzing Results of Microarray Experiments", Am. J. Respir. Cell Mol. Biol., 27: 125-132, 2002.			
	27	Kaminski et al. "Global Analysis of Gene Expression in Pulmonary Fibrosis Reveals Distinct Programs Regulating Lung Inflammation and Fibrosis", Proc. Natl. Acad. Sci. USA, 97(4): 1778-1783, 2000.			
	28	Kirkpatrick et al. "Transplantation Immunology", JAMA, 268(20): 2952-2958, 1992.			
	29	Kreisel et al. "Non-Hematopoietic Allograft Cells Directly Activate CD8+ T Cells and Trigger Acute Rejection: An Alternative Mechanism of Allore cognition", Nature Medicine, 8(3): 233-239, 2002.			
	30	Lee et al. "Efficient Generation of Midbrain and Hindbrain Neurons From Mouse Embryonic Stem Cells", Nature Biotechnology, 18: 675-679, 2000.			
	31	Levite et al. "Beneficial Effects of Bone Marrow Transplantation on the Serological Manifestations and Kidney Pathology of Experimental Systemic Lupus Erythematosus", Cellular Immunology, 162: 138-145, 1995.			
	32	Li et al. "Blocking Both Signal 1 and Signal 2 of T-Cell Activation Prevents Apoptosis of Alloreactive T Cells and Induction of Peripheral Allograft Tolerance", Nature Medicine, 5(11): 1298-1302, 1999.			
	33	Lubin et al. "Engraftment of Human Peripheral Blood Lymphocytes in Normal Strains of Mice", Blood, 83(8): 2368-2381, 1994.			
	34	Lumelsky et al. "Differentiation of Embryonic Stem Cells to Insulin-Secreting Structures Similar to Pancreatic Islets", Science, 292: 1389-1394, 2001.			
	35	Marcus et al. "Human/Mouse Radiation Chimera Are Capable of Mounting A Human Primary Humoral Response", Blood, 86(1): 398-406, 1995.			
	36	Midthun et al. "Medical Management and Complications in the Lung Transplant Recipient", Mayo Clin. Proc., 72: 175-184, 1997.			
↓	37	Morrison et al. "Clinical Characteristics of Post-Transplant Lymphoproliferative Disorders", The American Journal of Medicine, 97: 14-24, 1994.			

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	39	Nelson et al. "Chemokines, Chemokine Receptors, and Allograft Rejection", Immunity, 14: 377-386, 2001.	
	40	O'Regan et al. "Osteopontin (Eta-1) in Cell-Mediated Immunity: Teaching An Old Dog New Tricks", Immunology Today, 21(10): 475-478, 2000.	
	41	Oliver et al. "Metanephric Mesenchyme Contains Embryonic Renal Stem Cells", AJP - Renal Physiology, 283: 799-809, 2002.	
	42	Otonkoski et al. "Differentiation and Maturation of Porcine Fetal Islet Cells In Vitro and After Transplantation", Transplantation, 68(11): 1674-1683, 1999.	
	43	Pratt et al. "Local Synthesis of Complement Component C3 Regulates Acute Renal Transplant Rejection", Nature Medicine, 8(6): 582-587, 2002.	
	44	Reisner et al. "The Trimera Mouse: Generating Human Monoclonal Antibodies and An Animal Model for Human Diseases", Trends in Biotechnology, 16: 242-246, 1998.	
	45	Rogers et al. "Transplantation of Rat Metanephroi Into Mice", Am. J. Physiol. Regul. Integr. Comp. Physiol., 280: R1865-R1869, 2001.	
	46	Rogers et al. "Transplantation of Metanephroi After Preservation In Vitro", The American Journal of Physiology - Regulatory, Integrative and Comparative Physiology, 281: 661-665, 2001.	
	47	Rogers et al. "Transplantation of Developing Metanephroi Into Adult Rats", Kidney International, 54: 27-37, 1998.	
	48	Rogers et al. "Transplantation of Metanephroi Across the Major Histocompatibility Complex in Rats", The American Journal of Physiology - Regulatory, Integrative and Comparative Physiology, 280: 132-136, 2001.	
	49	Schumacher et al. "Transplantation of Embryonic Porcine Mesencephalic Tissue in Patients With PD", Neurology, 54(5): 1042-1050, 2000.	
	50	Schwartz "Models of T Cell Anergy: Is There A Common Molecular Mechanism", The Journal of Experimental Medicine, 184: 1-8, 1996.	
	51	Soria et al. "Insulin-Secreting Cells Derived From Embryonic Stem Cells Normalize Glycemia in Streptozotocin-Induced Diabetic Mice", Diabetes, 49: 1-6, 2000.	
	52	Subramanian "Cell Transplantation for the Treatment of Parkinson's Disease", Seminars in Neurology, 21(1): 103-115, 2001.	
	53	Sayegh et al. "The Role of T-Cell Costimulatory Activation Pathways in Transplant Rejection", The New England Journal of Medicine, 338(25): 1813-1821, 1998.	
▼	54	Schuldiner et al. "Effects of Eight Growth Factors on the Differentiation of Cells Derived From Human Embryonic Stem Cells", Proc. Natl. Acad. Sci. USA, 97(21): 11307-11312, 2000.	

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	56	Senderowicz et al. "Complete Sustained Response of A Refractory, Post-Transplantation, Large B-Cell Lymphoma to An Anti-CD22 Immunotoxin", Ann. Intern. Med., 126(11): 882-885, 1997.	
	57	Suthanthiran et al. "Renal Transplantation", The New England Journal of Medicine, 331(6): 365-376, 1996.	
	58	Tedder et al. "The Selectins: Vascular Adhesion Molecules", The FASEB Journal, 9: 866-873, 1995.	
	59	Vermeulen et al. "Quantification of Angiogenesis in Solid Human Tumours: An International Consensus on the Methodology and Criteria of Evaluation", European Journal of Cancer, 32A(14): 2474-2484, 1996.	
	60	Vincenti et al. "Inerleukin-2-Receptor Blockade With Daclizumab to Prevent Acute Rejection in Renal Transplantation", The New England Journal of Medicine, 338(3): 161-166, 1998.	
	61	Xie et al. "Expression, Roles, Receptors, and Regulation of Osteopontin in the Kidney", Kidney International, 60: 1645-1657, 2001.	
	62	Zuo et al. "Gene Expression Analysis Reveals Matrilysin as A Key Regulator of Pulmonary Fibrosis in Mice and Humans", Proc. Natl. Acad. Sci. USA, 99(9): 6292-6297, 2002.	
	63	Assmus et al. "Transplantation of Progenitor Celkls and Regeneration Enhancement in Acute Myocardial Infarction (TOPCARE-AMI)", Circulation, 106: 3009-3017, 2002.	
	64	Braunwald "Shattuck Lecture - Cardiovascular Medicine at the Turn of the Millennium: Triumphs, Concerns, and Opportunities", The New England Journal of Medicine, 337(19): 1360-1370, 1997.	
	65	Britten et al. "Infarct Remodeling After Intracoronary Progenitor Cell Treatment in Patients With Acute Myocardial Infarction (TOPCARE-AMI). Mechanistic Insights From Serial Contrast-Enhanced Magnetic Resonance Imaging", Circulation, 108: 2212-2218, 2003.	
	66	Castaing et al. "Blood Glucose Normalization Upon Transplantation of Human Embryonic Pancreas Into Beta-Cell-Deficient SCID Mice", Diabetologia, 44: 2066-2076, 2001.	
	67	Crippin "Motion - Patients With Primary Sclerosing Cholangitis Should Undergo Early Liver Transplantation: Arguments Against the Motion", Canadian Journal of Gastroenterology, 16: 700-702, 2002.	
↓	68	Eriksson "Heart Failure: A Growing Public Health Problem", Journal of Internal Medicine, 237: 135-141, 1995.	

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Application Number 10/759,033

Filing Date January 20, 2004

First Named Inventor Yair REISNER et al

Group Art Unit 1651

Examiner Name unknown

Sheet	5	7	Attorney Docket Number	27132
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TK	69	Fischer et al. "Stem Cell Transplantation for Immunodeficiency", Springer Seminars in Immunopathology, 19: 479-492, 1998.	
	70	Friedrich "Bone Marrow Transplantation in Immunodeficiency Diseases", The Finnish Mediact Society DUODECIM, Annals in Medicine, 28: 115-119, 1996.	
	71	Groth et al. "Splenic Transplantation in Gaucher Disease", Birth Defects: Original Article Series, IX(2): 102-105, 1973.	
	72	Horwitz "Primary Immune Deficiencies: Presentation, Diagnosis, and Management. Stem-Cell Transplantation for Inherited Immunodeficiency Disorders", Pediatric Clinics of North America, 47(6): 1371-1387, 2000.	
	73	Kane et al. "Neonatal Bone Marrow Transplantation for Severe Combined Immunodeficiency", Archives of Disease in Childhood - Fetal and Neonatal Edition, 85: 110-113, 2001.	
	74	Koerner et al. "Cardiac Transplantation: The Final Therapeutic Option for the Treatment of Heart Failure", Current Opinion in Cardiology, 15: 178-182, 2000.	
	75	Linsley et al. "CTLA-4 Is A Second Receptor for the B Cell Activation Antigen B7", Journal of Experimental Medicine, 174: 561-569, 1991.	
	76	Liu et al. "Transplantation of Spleen Cells in Patients With Hemophilia A. A Report of 20 Cases", Transplant International, 7(3): 201-206, 1994.	
	77	Medawar "Some Immunological and Endocrinological Problems Raised by the Evolution of Viviparity in Vertebrates", Symposium of the Society of Experimental Biology, 7: 320-323, 1953.	
	78	Michler et al. "Treatment of Cardiac Tumors by Orthotopic Cardiac Transplantation", Seminars in Oncology, 24(5): 534-539, 1997.	
	79	Molmenti et al. "Hepatocellular Cancer in Liver Transplantation", Journal of Hepatobiliary and Pancreatic Surgery, 8: 427-434, 2001.	
	80	Moore et al. "Stem Cell Transplantation for Autoimmune Diseases", Springer Seminars in Immunopathology, 23: 193-213, 2001.	
	81	Oliver et al. "Metanephric Mesenchyme Contains Embryonic Renal Stem Cells", American Journal of Physiology - Renal Physiology, 283: 799-809, 2002.	
	82	Otto "Lung Stem Cells", International Journal of Experimental Pathology, 78: 291-310, 1997.	
	83	Parkman "Bone Marrow Transplantation for Immunodeficiency and Metabolic Diseases", Leukemia, 7: 1100-1102, 1993.	
	84	Perin et al. "Transendocardial, Autologous Bone Marrow Cell Transplantation for Severe, Chronic Ischemic Heart Failure", Circulation, 107: 2294-2304, 2003.	
	85	Podevin et al. "Transplantation Hépatique pour Maladie Alcoolique du Foie", Journal du Chirurgie, 138(3): 147-152, 2001.	
↓	86	Porter "The Graft-Versus-Tumor Potential of Allogeneic Cell Therapy: An Update on Donor Leukocyte Infusions and Nonmyeloablative Allogeneic Stem Cell Transplantation", Journal of Hematology & Stem Cell Research, 10: 465-480, 2001.	

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Application Number	10/759,033
Filing Date	January 20, 2004
First Named Inventor	Yair REISNER et al
Group Art Unit	1651
Examiner Name	unknown

Sheet	6		7	Attorney Docket Number	27132
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TK	87	Pouzet et al. "Transplantation de Myoblastes Squelettiques Autologues Dans l'Insuffisance Cardiaque Ischémique", Journal de la Société de Biologie, 195(1): 47-49, 2001.	
	88	Samuel "Hepatitis B Virus and Liver Transplantation", Acta Gastro-Enterologica Belgica, LXIII: 197-199, 2000.	
	89	Segall et al. "Generation of Primary Antigen-Specific Human Cytotoxic T Lymphocytes in Human/Mouse Radiation Chimera", Blood, 88(2): 721-730, 1996.	
	90	Sharma et al. "Molecular Executors of Cell Death-Differential Intrarenal Expression of Fas Ligand, Fas, Granzyme B, and Perforin During Acute and/or Chronic Rejection of Human Renal Allografts", Transplantation, 62(12): 1860-1866, 1996.	
	91	Speziali et al. "Cardiac Transplantation for End-Stage Congenital Heart Defects: The Mayo Clinic Experience", Mayo Clinic Proceedings, 73(10): 923-928, 1998.	
	92	Stamm et al. "Autologous Bone-Marrow Stem-Cell Transplantation for Myocardial Regeneration", The Lancet, Research Letters, 361: 45-46, 2003.	
	93	Strauer et al. "Intrakoronare, Humane Autologe Stammzelltransplantation zur Myokardregeneration nach Herzinfarkt", Deutsche Medizinische Wochenschrift, 126: 932-938, 2001.	
	94	Strauer et al. "Repair of Infarcted Myocardium by autologous Intracoronary Mononuclear Bone Marrow Cell Transplantation in Humans", Circulation: 106: 1913-1918, 2002.	
	95	Toungouz et al. "Hematopoietic Stem Cells: Therapeutic Applications in Autoimmune Diseases and in Solid Organ Transplantation", Advances in Nephrology, 31(Chap.18): 257-272, 2001.	
	96	Usadel et al. "Transplantation of human Fetal Pancreas. Experience in Thymusaplastic Mice and Rats and in A Diabetic Patient", Diabetes, 29(Suppl.1): 74-79, 1980.	
	97	Woolf "The Kidney: 1. Embryology", Pediatric Nephrology, 4th Ed., Section I(Chap.1): 1-19, 1999.	
	98	Dekel et al. "Engraftment of Human Early Kidney Precursors", Transplant Immunology, 12(3-4): 241-247, 2004. P.242, Col.2, § 1, Fig.2, Abstract.	
	99	Ashkar et al. "Eta-1 (Osteopontin): An Early Component of Type-1 (Cell-Mediated) Immunity", Science, 287: 860-863, 2000.	
	100	Auchincloss et al. "Xenogeneic Transplantation", Annu. Rev. Immunol., 16: 433-470, 1998.	
	101	Benhamou "Immunomodulation With CTLA4-Ig in Islet Transplantation", Transplantation, 73(1): S40-S42, 2002.	
	102	Benichou et al. "Contributions of Direct and Indirect T Cell Alloreactivity During Allograft Rejection in Mice", The Journal of Immunology, 162: 352-358, 1999.	
▼	103	Böcher et al. "Induction of Strong Hepatitis B Virus (HBV) Specific T Helper Cell and Cytotoxic T Lymphocyte Responses by Therapeutic Vaccination in the Trimer Mouse Model of Chronic HBV Infection", European Journal of Immunology, 31: 2071-2079, 2001.	

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TK	104	Boussiotis et al. "Differential Association of Protein Tyrosine Kinases With the T Cell Receptor Is Linked to the Induction of Anergy and Its Prevention by B7 Family-Mediated Costimulation", Journal of Experimental Medicine, 184: 365-376, 1996.			
	105	Briscoe et al. "The Allogeneic Response to Cultured Human Skin Equivalent in the Hu-PBL-SCID Mouse Model of Skin Rejection", Transplantation, 67(12): 1590-1599, 1999.			
	106	Cascalho et al. The Immunological Barrier to Xenotransplantation", Immunity, 14: 437-446, 2001.			
	107	Dantal et al. "Effect of Long-Term Immunosuppression in Kidney-Graft Recipients on Cancer Incidence: Randomised Comparison of Two Cyclosporin Regimens", Lancet, 351: 623-628, 1998.			
	108	Dekel et al. "Engraftment of Human Kidney Tissue in Rat Radiation Chimera: I. A New Model of Human Kidney Allograft Rejection", Transplantation, 64(11): 1541-1550, 1997.			
	109	Dekel et al. "Engraftment and Differentiation of Human Metanephroi Into Functional Mature Nephrons After Transplantation Into Mice Is Accompanied by A Profile of Gene Expression Similar to Normal Human Kidney Development", Journal of the American Society of Nephrology, 13(4): 977-990, 2002. Abstract.			
	110	Dekel et al. "Human and Porcine Early Kidney Precursors as A New Source for Transplantation", Nature Medicine, 9(1): 53-60, 2003. Table 1.			
	111	Dekel et al. "In Vivo Modulation of the Allogeneic Immune Response by Human Fetal Kidneys: The Role of Cytokines, Chemokines, and Cytolytic Effector Molecules", Transplantation, 69(7): 1470-1478, 2000.			
	112	Dekel et al. "Engraftment of Human Kidney Tissue in Rat Radiation Chimera: II. Human Fetal Kidneys Display Reduced Immunogenicity to Adoptively Transferred Human Peripheral Blood Mononuclear Cells and Exhibit Rapid Growth and Development", Transplantation, 64(11): 1550-1558, 1997.			
	113	Dekel et al. "Acute Cellular Rejection of Human Renal Tissue by Adoptive Transfer of Allogeneic Human Peripheral Blood Mononuclear Cells Into Chimeric Rats: Sequential Gene Expression of Cytokines, Chemokines and Cytolytic Effector Molecules, and Their Regulation by CTLA-4-Ig", International Immunology, 11(10): 1673-1683, 1999.			
↓	114	Eisen et al. "Cluster Analysis and Display of Genome-Wide Expression Pattern", Proc. Natl. Acad. Sci. USA, 95: 14863-14868, 1998.			
	115	Gritsch et al. "The Importance of Nonimmune Factors in Reconstitution by Discordant Xenogeneic Hematopoietic Cells", Transplantation, 57(6): 906-917, 1994.			
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